

Serial No.: 10/532,090  
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IN THE ABSTRACT:

Please amend the abstract as follows:

--~~The invention concerns a~~ A system is provided in which  
~~wherein the spatial values (S1 to Sn) of the physical quantity are~~  
~~represented by measurement pulses (I1 to In),~~ the temporal ordering  
of which represents the values, which are processed by ~~whereof the~~  
~~temporal ordering represents said values. The system comprises a~~  
~~plurality of processing units (U1 to Un) for processing said~~  
~~measurement pulses. They are arranged in at least one row and~~ each  
~~include each an output (SOR1 to SORn).~~ During ~~whereon, during~~  
~~successive processing cycles, a measurement pulse processed therein~~  
~~can be delivered to form the output signal (SU) of the system.~~  
Each ~~The invention is characterized in that each processing unit~~  
~~(U1 to Un) comprises~~ includes an inhibiting unit means (BI) for, in  
~~other units of the row and during a given processing cycle,~~  
~~inhibiting the passage to the outputs (SOR1 to SORn) of said the~~  
~~other units respective measurement pulses processed therein and~~  
~~hence preventing them from forming the output signal (SU), if said~~  
the ~~measurement impulses are temporally ordered later in the given~~  
~~processing cycle than the one processed in the unit concerned.--~~